

**CITY OF HOUSTON FIRE DEPARTMENT
INTERIOR RENOVATION OF FIRE STATION NO. 62**

**DIVISION 15 — MECHANICAL
Section 15075 — Mechanical Identification**

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Mechanical plans and specifications are part of project documents. Failure to comply shall not relieve contractor of responsibility or be used as basis for additional compensation due to omission of Engineer of Record.

1.02 WORK INCLUDED

- A. Furnish and install all identification and labeling of mechanical equipment as specified below or as notes on drawings.
- B. Condensing units, air handling units, water heaters, fans and any other equipment designated by the Engineer shall be identified and labeled.

1.03 QUALITY ASSURANCE

- A. All markers shall conform to ANSI and OSHA standards for marker length, background color, letter size and letter color as related to the content of the pipe or the covering.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

- A. Setton
- B. Labelmaster
- C. Craftmark Identification Systems

2.02 NAMEPLATES

- A. The following shall be identified with engraved name plates as described hereafter:
 - Single Package Units
 - Water Heaters
 - Fans
- B. Unless otherwise specified, nameplates shall be black phenoli with chamfered edges engraved with minimum 3/16" letters to white core. Attachment will be made by plated screws. Adhesive attachments will not be accepted.

2.03 MARKERS

- A. All piping shall be identified with pipe markets indicating direction of the flow.

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PART 3 – EXECUTION

3.01 INSTALLATION

- A. Nameplates on materials and equipment furnished will be maintained in original condition. Whenever possible, equipment shall be installed so that nameplates are readily visible. Damaged or unreadable nameplates shall be replaced. Where equipment is modified, nameplates shall be appropriately corrected.
- B. Location on all underground piping shall be marked by the use of underground warning tape, colored with printed message. Tape to be buried directly over pipe, 6" below finished grade. Tape to be polyethylene, 6" wide. Tape for metallic pipe to be .004" thick; tape for non-metallic pipe to consist of two layers of polyethylene with a metallic film ribbon between.
- C. Underground warning tapes to be as follows:
 - Gas Piping - Yellow, legend "Gas Line Buried Below", Seton No. 210 GAS, for metallic pipe; Seton No. 2 GAS, for non-metallic pipe.
 - Sewer Piping - Green, legend "Sewer Line Buried Here". Seton No. 210 SEW for 23 metallic pipe; Seton No. 23 SEW for non-metallic pipe.
 - Water Piping - Blue, legend "Water Line Buried Below". Seton 210 WAT for metallic pipe; Seton No. 2 WAT for non-metallic pipe.

END OF SECTION